ELSEVIER

1 September 1996

Optics Communications 129 (1996) 433–438

OPTICS COMMUNICATIONS

# Author index to volume 129

Agarwal, G.S., J. Lehner and H. Paul, Invariances for states of light and their quasi-distributions 129 (1996) 369
Aldén, M., see Kaminski, C.F. 129 (1996) 38
Amarande, S.-A., Beam propagation factor and the kurtosis parameter of flattened Gaussian beams 129 (1996) 311

Bakker, H.J., Dielectric response of strongly damped resonances 129 (1996) 199
Balykin, V.I., M.V. Subbotin and V.S. Letokhov, Reflection of an electron beam by femtosecond light waves 129 (1996) 177
Bandy, D.K., see Oraevsky, A.N. 129 (1995) 75
Barbosa-Garcia, O., E. Jonguitud-Isurieta, L.A. Diaz-Torres and C.W. Struck, The non-radiative energy transfer in high acceptor concentration codoped Nd,Ho:YAG and Nd,Er:YAG 129 (1996) 273
Biaggio, I., see de Montmorillon, L.-A. 129 (1996) 293
Boffi, P., A. Fellegara and M. Martinelli, Analysis of the Kerr phase-shift induced by optically amplified transmission signals 129 (1996) 152
Bogdanov, M.P., S.A. Dimakov, A.V. Gorlanov, D.A. Goryachkin, A.M. Grigor'ev, V.M. Irtuganov, V.P. Kalinin, S.I. Kliment'ev, I.M. Kozlovskaya, I.B. Orlova, V.E. Sherstobitov and V.Yu. Venediktov, Correction of segmented mirror aberrations by phase conjugation and dynamic holography 129 (1996) 405
Bosch, S., J. Campos, M. Montes-Usategui and J. Sallent, Design of correlation filters invariant to degradations characterizable by an optical transfer function 129 (1996) 337
Brenier, A., Numerical investigation of the CW end-pumped NYAB and $LiNbO_3$:MgO:Nd self-doubling lasers 129 (1996) 57
Brodeur, A., F.A. Ilkov and S.L. Chin, Beam filamentation and the white light continuum divergence 129 (1996) 193

Campos, J., see Bosch, S. 129 (1996) 337
Castro-Beltran, H.M., S.M. Chumakov and J.J. Sanchez-Mondragon, Emission spectrum of a partially inverted atomic system in a cavity 129 (1996) 184
Chang, S., J.T. Kim, J.H. Jo and S.S. Lee, Optical pressure exerted on a dielectric film in the evanescent field of a Gaussian beam 129 (1996) 394
Chaplin, R.P., see Peng, G.D. 129 (1996) 353
Chavel, P., see Prémont, G. 129 (1996) 347
Chen, S., see Hu, Y. 129 (1996) 27
Chichkov, B.N., see Momma, C. 129 (1996) 134

Chin, S.L., see Brodeur, A. 129 (1996) 193
Chu, C.H., see Watunyuta, W. 129 (1996) 331
Chu, P.L., see Luo, L. 129 (1996) 224
Chu, P.L., see Peng, G.D. 129 (1996) 353
Chumakov, S.M., see Castro-Beltran, H.M. 129 (1996) 184
Collett, E. and V. Gazerro, Polarization measurements in a spectrofluorophotometer 129 (1996) 229
Creuzet, F., see Piednoir, A. 129 (1996) 423

de Montmorillon, L.-A., I. Biaggio, P. Delaye, J.-C. Launay and G. Roosen, Eye-safe large field of view homodyne detection using a photorefractive CdTe:V crystal 129 (1996) 293
D'Ariano, G.M., C. Macchiavello and M.G.A. Paris, A fictitious photons method for tomographic imaging 129 (1996) 6
Dazzi, A., see Mathey, P. 129 (1996) 301
Delaye, P., see de Montmorillon, L.-A. 129 (1996) 293
Depine, R.A. and M.L. Gigli, Total conversion from photons to surface plasmons at the corrugated boundary of a uniaxial crystal 129 (1996) 318
Diaz-Torres, L.A., see Barbosa-Garcia, O. 129 (1996) 273
Dimakov, S.A., see Bogdanov, M.P. 129 (1996) 405
Dresel, T., Optimization of symmetric Dammann gratings with a multidimensional error feedback algorithm 129 (1996) 19
Dyer, P.E., R.J. Farley and R. Giedl, Analysis and application of a 0/1 order Talbot interferometer for 193 nm laser grating formation 129 (1996) 98
Dykstra, R., see Smith, C.P. 129 (1996) 69

Eickelkamp, T., see Keilmann, F. 129 (1996) 15
Eisenstein, G., see Margalit, M. 129 (1996) 373

Falconieri, M., see Tonelli, M. 129 (1996) 62
Farley, R.J., see Dyer, P.E. 129 (1996) 98
Fellegara, A., see Boffi, P. 129 (1996) 152
Fritzon, R., see Kaminski, C.F. 129 (1996) 38

Gazerro, V., see Collett, E. 129 (1996) 229
Giedl, R., see Dyer, P.E. 129 (1996) 98
Gigli, M.L., see Depine, R.A. 129 (1996) 318
Gloster, L.A.W., see McKinnie, I.T. 129 (1996) 49
Goncharenko, A.M., see Testorf, M. 129 (1996) 167
Gorlanov, A.V., see Bogdanov, M.P. 129 (1996) 405
Goryachkin, D.A., see Bogdanov, M.P. 129 (1996) 405
Grigor'ev, A.M., see Bogdanov, M.P. 129 (1996) 405
Gross, B. and J.T. Manassah, Propagation of femtosecond pulses in focusing nonlinear Kerr planar waveguides 129 (1996) 143
Gutiérrez-Castrejón, R., see Hung, K.M. 129 (1996) 245

Hakuta, K., see Katsuragawa, M. 129 (1996) 212
Halevi, P., see Ramos-Mendieta, F. 129 (1996) 1
Hall, T.J., see Hung, K.M. 129 (1996) 245
Heremans, P., see Prémont, G. 129 (1996) 347

Hiraoka, Y., see Kikuchi, S. 129 (1996) 237
Hu, Y. and S. Chen, Interrogation of wavelength coded phase signals in digital spatial domain for optical fibre sensing applications 129 (1996) 27
Hung, K.M., R. Gutiérrez-Castrejón and T.J. Hall, Multibeamlet competition in a unidirectional photorefractive ring oscillator using a computer generated hologram 129 (1996) 245

Ilkov, F.A., see Brodeur, A. 129 (1996) 193
Indebetouw, G., see Korwan, D.R. 129 (1996) 205
Irtuganov, V.M., see Bogdanov, M.P. 129 (1996) 405

Jahns, J., see Testorf, M. 129 (1996) 167
Jessen, P.S., see Wright, E.M. 129 (1996) 423
Jianyi, Y., see Xiaoqing, J. 129 (1996) 173
Jo, J.H., see Chang, S. 129 (1996) 394
Jonguitud-Isurieta, E., see Barbosa-Garcia, O. 129 (1996) 273
Jullien, P., see Mathey, P. 129 (1996) 301

Kalinin, V.P., see Bogdanov, M.P. 129 (1996) 405
Kaminski, C.F., B. Löfstedt, R. Fritzon and M. Aldén, Two-photon polarization spectroscopy and (2 + 3)-photon laser induced fluorescence of $N_2$ 129 (1996) 38
Karapinar, R., Damping of the twist director fluctuations in the nematic liquid crystal 129 (1996) 109
Katsuragawa, M., G.Z. Zhang and K. Hakuta, Sum-frequency generation using strong-field coupling in atomic hydrogen: Effect of co-existing molecular hydrogen 129 (1996) 212
Keilmann, F., D.W. van der Weide, T. Eickelkamp, R. Merz and D. Stöckle, Extreme sub-wavelength resolution with a scanning radio-frequency transmission microscope 129 (1996) 15
Khilo, N.A., see Testorf, M. 129 (1996) 167
Kikuchi, S., K. Sonobe, D. Shinohara, N. Ohyama, S. Mashiko and Y. Hiraoka, A double-axis microscope and its three-dimensional image position adjustment based on an optical marker method 129 (1996) 237
Kim, J.T., see Chang, S. 129 (1996) 394
King, T.A., see McKinnie, I.T. 129 (1996) 49
Kliment'ev, S.I., see Bogdanov, M.P. 129 (1996) 405
Kong, M.G., see Stuart, R.A. 129 (1996) 284
Korwan, D.R. and G. Indebetouw, Off-Bragg model for the photorefractive phase-conjugate resonator 129 (1996) 205
Kos, K. and A.Z. Siahmakoun, Orientation of optic axis in wedged photorefractive crystals 129 (1996) 217
Kozlovskaya, I.M., see Bogdanov, M.P. 129 (1996) 405
Królikowski, W., Coherence effects in a photorefractive ring oscillator 129 (1996) 44
Kuijk, M., see Prémont, G. 129 (1996) 347

Lalanne, P., see Prémont, G. 129 (1996) 347
Lan, G., see Sun, Q. 129 (1996) 189
Lankhuijzen, G.M. and L.D. Noordam, Atomic streak camera 129 (1996) 361
Lanzi, A., see Tonelli, M. 129 (1996) 62
Lapeyere, G.J., see Wright, E.M. 129 (1996) 423
Launay, J.-C., see de Montmorillon, L.-A. 129 (1996) 293
Lee, S.S., see Chang, S. 129 (1996) 394
Lehner, J., see Agarwal, G.S. 129 (1996) 369

Letokhov, V.S., see Balykin, V.I. 129 (1996) 177
Li, G., L. Liu, L. Shao and Y. Yin, Optical negabinary addition with higher-order substitution rules 129 (1996) 323
Li, G., see Shao, L. 129 (1996) 89
Licoppe, C., see Piednoir, A. 129 (1996) 423
Liu, L., see Li, G. 129 (1996) 323
Liu, L., see Shao, L. 129 (1996) 89
Liu, S., see Sun, Q. 129 (1996) 189
Löfstedt, B., see Kaminski, C.F. 129 (1996) 38
Luo, L. and P.L. Chu, Optical bistability in a coupled fiber ring resonator system with nonlinear absorptive medium 129 (1996) 224

Macchiavello, C., see D'Ariano, G.M. 129 (1996) 6
Manassah, J.T., see Gross, B. 129 (1996) 143
Margalit, M., M. Orenstein and G. Eisenstein, Multimode injection locking buildup and dephasing in passively mode locked fiber lasers 129 (1996) 373
Martinelli, M., see Boffi, P. 129 (1996) 152
Martínez-Herrero, R., see Piquero, G. 129 (1996) 161
Mashiko, S., see Kikuchi, S. 129 (1996) 237
Mathey, P., P. Jullien, A. Dazzi and B. Mazué, Performance evaluation of a photorefractive novelty filter for motion tracking and edge enhancement 129 (1996) 301
Mazué, B., see Mathey, P. 129 (1996) 301
McKinnie, I.T., L.A.W. Gloster, A.M. Oien and T.A. King, The role of active ion concentration in tuned chromium forsterite oscillators 129 (1996) 49
McPhedran, R.C., see Vlassis, M. 129 (1996) 256
Mejías, P.M., see Piquero, G. 129 (1996) 161
Merz, R., see Keilmann, F. 129 (1996) 15
Minghua, W., see Xiaoqing, J. 129 (1996) 173
Mirage, A., A. Scalabrin, D. Pereira and N.D. Vieira Jr., Population inversion measurements in a hollow-cathode discharge by optogalvanic spectroscopy 129 (1996) 358
Momma, C., B.N. Chichkov, S. Nolte, F. von Alvensleben, A. Tünnermann, H. Welling and B. Wellegehausen, Short-pulse laser ablation of solid targets 129 (1996) 134
Montes-Usategui, M., see Bosch, S. 129 (1996) 337

Neogi, A., Effect of cubic nonlinearities on the sum-frequency generation process in asymmetric quantum wells 129 (1996) 387
Ng, T.W., Circular grating moiré deflectometry analysis by zeroth and first radial fringe order angle measurement 129 (1996) 344
Nicorovici, N., see Vlassis, M. 129 (1996) 256
Nolte, S., see Momma, C. 129 (1996) 134
Noordam, L.D., see Lankhuijzen, G.M. 129 (1996) 361

Ohyama, N., see Kikuchi, S. 129 (1996) 237
Oien, A.M., see McKinnie, I.T. 129 (1996) 49
Oraevsky, A.N. and D.K. Bandy, Semiconductor microballs as bistable optical elements 129 (1995) 75
Orenstein, M., see Margalit, M. 129 (1996) 373
Orlova, I.B., see Bogdanov, M.P. 129 (1996) 405

Palma, C., Complex dynamics of a beam in a Gaussian cavity 129 (1996) 120
Paris, M.G.A., see D'Ariano, G.M. 129 (1996) 6
Pati, G.S., A. Roy and K. Singh, An improved photorefractive joint-transform correlator utilizing beam-fanning in a high-gain barium titanate crystal 129 (1996) 81
Paul, H., see Agarwal, G.S. 129 (1996) 369
Peng, G.D., P.L. Chu, Z. Xiong, T. Whitbread and R.P. Chaplin, Broadband tunable optical amplification in Rhodamine B-doped step-index polymer optical fibre 129 (1996) 353
Pereira, D., see Mirage, A. 129 (1996) 358
Piednoir, A., C. Licoppe and F. Creuzet, Imaging and local infrared spectroscopy with a near field optical microscope 129 (1996) 423
Piquero, G., P.M. Mejías and R. Martínez-Herrero, Propagation of laser beam parameters through pure phase transmittances 129 (1996) 161
Prémont, G., P. Lalanne, P. Chavel, M. Kuijk and P. Heremans, Generation of sigmoid probability functions by clipped differential speckle detection 129 (1996) 347

Ramos-Mendieta, F. and P. Halevi, Propagation constant – limited surface modes in dielectric superlattices 129 (1996) 1
Remley, K.A. and A. Weisshaar, Impedance boundary method of moments for efficient analysis of lossy and leaky planar optical waveguide structures 129 (1996) 33
Roosen, G., see de Montmorillon, L.-A. 129 (1996) 293
Roy, A., see Pati, G.S. 129 (1996) 81

Sallent, J., see Bosch, S. 129 (1996) 337
Salvetti, G., see Tonelli, M. 129 (1996) 62
Sanchez-Mondragon, J.J., see Castro-Beltran, H.M. 129 (1996) 184
Scalabrin, A., see Mirage, A. 129 (1996) 358
Shao, L., L. Liu and G. Li, Programmable fuzzy associative memory processor 129 (1996) 89
Shao, L., see Li, G. 129 (1996) 323
Sheridan, J.T., Comment on "Nonlinear analysis for reflection holograms" (Optics Comm. 107 (1994) 471) 129 (1996) 13
Sherstobitov, V.E., see Bogdanov, M.P. 129 (1996) 405
Shinohara, D., see Kikuchi, S. 129 (1996) 237
Siahmakoun, A.Z., see Kos, K. 129 (1996) 217
Singh, K., see Pati, G.S. 129 (1996) 81
Smith, C.P. and R. Dykstra, Observation in the two-level spatial Maxwell-Bloch model of the anomalously large first peak as seen in experimental Lorenz-like spiral chaos from the $^{15}NH_3$ laser 129 (1996) 69
Sonobe, K., see Kikuchi, S. 129 (1996) 237
Stöckle, D., see Keilmann, F. 129 (1996) 15
Struck, C.W., see Barbosa-Garcia, O. 129 (1996) 273
Stuart, R.A. and M.G. Kong, Gain enhancement for waveguide FEL systems using an optical klystron configuration 129 (1996) 284
Subbotin, M.V., see Balykin, V.I. 129 (1996) 177
Sun, Q., J. Xu, S. Liu, G. Lan, C. Zhang and G. Zhang, The influence of longitudinal modes of lasers on the photorefractive two wave coupling 129 (1996) 189

Testorf, M., J. Jahns, N.A. Khilo and A.M. Goncharenko, Talbot effect for oblique angle of light propagation 129 (1996) 167
Toncelli, A., see Tonelli, M. 129 (1996) 62
Tonelli, M., M. Falconieri, A. Lanzi, G. Salvetti and A. Toncelli, Comparison of Tm-sensitized Ho:Yag and Ho:YLF crystals for a laser-pumped 2 μm CW oscillator 129 (1996) 62
Tünnermann, A., see Momma, C. 129 (1996) 134

van der Weide, D.W., see Keilmann, F. 129 (1996) 15
Vasavada, K.V., see Vemuri, G. 129 (1996) 379
Vemuri, G. and K.V. Vasavada, Pulse propagation in coherently prepared media 129 (1996) 379
Venediktov, V.Yu., see Bogdanov, M.P. 129 (1996) 405
Vieira Jr., N.D., see Mirage, A. 129 (1996) 358
Vlassis, M., R.C. McPhedran and N. Nicorovici, Radiation modes of multiple core fibres 129 (1996) 256
Von Alvensleben, F., see Momma, C. 129 (1996) 134

Watunyuta, W. and C.H. Chu, A dither pattern ensemble method for digital halftoning 129 (1996) 331
Weisshaar, A., see Remley, K.A. 129 (1996) 33
Wellegehausen, B., see Momma, C. 129 (1996) 134
Welling, H., see Momma, C. 129 (1996) 134
Whitbread, T., see Peng, G.D. 129 (1996) 353
Wright, E.M., P.S. Jessen and G.J. Lapeyere, Two-dimensional motion of cold atoms in a near-resonant annular laser beam: artificial two-dimensional molecules 129 (1996) 423

Xiaoqing, J., Y. Jianyi and W. Minghua, Properties of metal-clad dielectric waveguides in near cutoff 129 (1996) 173
Xiong, Z., see Peng, G.D. 129 (1996) 353
Xu, J., see Sun, Q. 129 (1996) 189

Yin, Y., see Li, G. 129 (1996) 323

Zhang, C., see Sun, Q. 129 (1996) 189
Zhang, G., see Sun, Q. 129 (1996) 189
Zhang, G.Z., see Katsuragawa, M. 129 (1996) 212

ELSEVIER

1 September 1996

Optics Communications 129 (1996) 439–442

OPTICS COMMUNICATIONS

# Subject index to volume 129

*Propagation, diffraction and scattering*

F. Ramos-Mendieta and P. Halevi, Propagation constant – limited surface modes in dielectric superlattices 1

G. Piquero, P.M. Mejías and R. Martínez-Herrero, Propagation of laser beam parameters through pure phase transmittances 161

E. Collett and V. Gazerro, Polarization measurements in a spectrofluorophotometer 229

S.-A. Amarande, Beam propagation factor and the kurtosis parameter of flattened Gaussian beams 311

R.A. Depine and M.L. Gigli, Total conversion from photons to surface plasmons at the corrugated boundary of a uniaxial crystal 318

S. Chang, J.T. Kim, J.H. Jo and S.S. Lee, Optical pressure exerted on a dielectric film in the evanescent field of a Gaussian beam 394

*Optical information, image formation and analysis, optical computing*

G.M. D'Ariano, C. Macchiavello and M.G.A. Paris, A fictitious photons method for tomographic imaging 6

J.T. Sheridan, Comment on "Nonlinear analysis for reflection holograms" (Optics Comm. 107 (1994) 471) 13

F. Keilmann, D.W. van der Weide, T. Eickelkamp, R. Merz and D. Stöckle, Extreme sub-wavelength resolution with a scanning radio-frequency transmission microscope 15

T. Dresel, Optimization of symmetric Dammann gratings with a multidimensional error feedback algorithm 19

G.S. Pati, A. Roy and K. Singh, An improved photorefractive joint-transform correlator utilizing beam-fanning in a high-gain barium titanate crystal 81

L. Shao, L. Liu and G. Li, Programmable fuzzy associative memory processor 89

P.E. Dyer, R.J. Farley and R. Giedl, Analysis and application of a 0/1 order Talbot interferometer for 193 nm laser grating formation 98

M. Testorf, J. Jahns, N.A. Khilo and A.M. Goncharenko, Talbot effect for oblique angle of light propagation 167

S. Kikuchi, K. Sonobe, D. Shinohara, N. Ohyama, S. Mashiko and Y. Hiraoka, A double-axis microscope and its three-dimensional image position adjustment based on an optical marker method 237

K.M. Hung, R. Gutiérrez-Castrejón and T.J. Hall, Multibeamlet competition in a unidirectional photorefractive ring oscillator using a computer generated hologram 245

G. Li, L. Liu, L. Shao and Y. Yin, Optical negabinary addition with higher-order substitution rules 323

W. Watunyuta and C.H. Chu, A dither pattern ensemble method for digital halftoning 331

S. Bosch, J. Campos, M. Montes-Usategui and J. Sallent, Design of correlation filters invariant to degradations characterizable by an optical transfer function 337

T.W. Ng, Circular grating moiré deflectometry analysis by zeroth and first radial fringe order angle measurement 344

G. Prémont, P. Lalanne, P. Chavel, M. Kuijk and P. Heremans, Generation of sigmoid probability functions by clipped differential speckle detection 347

M.P. Bogdanov, S.A. Dimakov, A.V. Gorlanov, D.A. Goryachkin, A.M. Grigor'ev, V.M. Irtuganov, V.P. Kalinin, S.I. Kliment'ev, I.M. Kozlovskaya, I.B. Orlova, V.E. Sherstobitov and V.Yu. Venediktov, Correction of segmented mirror aberrations by phase conjugation and dynamic holography 405

A. Piednoir, C. Licoppe and F. Creuzet, Imaging and local infrared spectroscopy with a near field optical microscope 423

*Optical communications*

Y. Hu and S. Chen, Interrogation of wavelength coded phase signals in digital spatial domain for optical fibre sensing applications 27

K.A. Remley and A. Weisshaar, Impedance boundary method of moments for efficient analysis of lossy and leaky planar optical waveguide structures 33

X. Jiang, J. Yang and M. Wang, Properties of metal-clad dielectric waveguides in near cutoff 173

M. Vlassis, R.C. McPhedran and N. Nicorovici, Radiation modes of multiple core fibres 256

G.D. Peng, P.L. Chu, Z. Xiong, T. Whitbread and R.P. Chaplin, Broadband tunable optical amplification in Rhodamine B-doped step-index polymer optical fibre 353

*Atomic, molecular and plasma physics*

C.F. Kaminski, B. Löfstedt, R. Fritzon and M. Aldén, Two-photon polarization spectroscopy and (2 + 3)-photon laser induced fluorescence of $N_2$ 38

A. Mirage, A. Scalabrin, D. Pereira and N.D. Vieira Jr., Population inversion measurements in a hollow-cathode discharge by optogalvanic spectroscopy 358

G.M. Lankhuijzen and L.D. Noordam, Atomic streak camera 361

*Condensed matter*

R. Karapinar, Damping of the twist director fluctuations in the nematic liquid crystal 109

O. Barbosa-Garcia, E. Jonguitud-Isurieta, L.A. Diaz-Torres and C.W. Struck, The non-radiative energy transfer in high acceptor concentration codoped Nd,Ho:YAG and Nd,Er:YAG 273

*Quantum optics*

V.I. Balykin, M.V. Subbotin and V.S. Letokhov, Reflection of an electron beam by femtosecond light waves 177

H.M. Castro-Beltran, S.M. Chumakov and J.J. Sanchez-Mondragon, Emission spectrum of a partially inverted atomic system in a cavity 184

G.S. Agarwal, J. Lehner and H. Paul, Invariances for states of light and their quasi-distributions 369

E.M. Wright, P.S. Jessen and G.J. Lapeyere, Two-dimensional motion of cold atoms in a near-resonant annular laser beam: artificial two-dimensional molecules 423

*Lasers*

W. Królikowski, Coherence effects in a photorefractive ring oscillator 44

I.T. McKinnie, L.A.W. Gloster, A.M. Oien and T.A. King, The role of active ion concentration in tuned chromium forsterite oscillators 49

A. Brenier, Numerical investigation of the CW end-pumped NYAB and $LiNbO_3$:MgO:Nd self-doubling lasers 57

M. Tonelli, M. Falconieri, A. Lanzi, G. Salvetti and A. Toncelli, Comparison of Tm-sensitized Ho:Yag and Ho:YLF crystals for a laser-pumped 2 μm CW oscillator 62

C.P. Smith and R. Dykstra, Observation in the two-level spatial Maxwell-Bloch model of the anomalously large first peak as seen in experimental Lorenz-like spiral chaos from the $^{15}NH_3$ laser 69

C. Palma, Complex dynamics of a beam in a Gaussian cavity 120

C. Momma, B.N. Chichkov, S. Nolte, F. von Alvensleben, A. Tünnermann, H. Welling and B. Wellegehausen, Short-pulse laser ablation of solid targets 134

Q. Sun, J. Xu, S. Liu, G. Lan, C. Zhang and G. Zhang, The influence of longitudinal modes of lasers on the photorefractive two wave coupling 189

R.A. Stuart and M.G. Kong, Gain enhancement for waveguide FEL systems using an optical klystron configuration 284

M. Margalit, M. Orenstein and G. Eisenstein, Multimode injection locking buildup and dephasing in passively mode locked fiber lasers 373

*Nonlinear optics*

A.N. Oraevsky and D.K. Bandy, Semiconductor microballs as bistable optical elements 75

B. Gross and J.T. Manassah, Propagation of femtosecond pulses in focusing nonlinear Kerr planar waveguides 143

P. Boffi, A. Fellegara and M. Martinelli, Analysis of the Kerr phase-shift induced by optically amplified transmission signals 152

A. Brodeur, F.A. Ilkov and S.L. Chin, Beam filamentation and the white light continuum divergence 193

H.J. Bakker, Dielectric response of strongly damped resonances 199

D.R. Korwan and G. Indebetouw, Off-Bragg model for the photorefractive phase-conjugate resonator 205

M. Katsuragawa, G.Z. Zhang and K. Hakuta, Sum-frequency generation using strong-field coupling in atomic hydrogen: Effect of co-existing molecular hydrogen 212

K. Kos and A.Z. Siahmakoun, Orientation of optic axis in wedged photorefractive crystals 217

L. Luo and P.L. Chu, Optical bistability in a coupled fiber ring resonator system with nonlinear absorptive medium 224

L.-A. de Montmorillon, I. Biaggio, P. Delaye, J.-C. Launay and G. Roosen, Eye-safe large field of view homodyne detection using a photorefractive CdTe:V crystal 293

P. Mathey, P. Jullien, A. Dazzi and B. Mazué, Performance evaluation of a photorefractive novelty filter for motion tracking and edge enhancement 301

G. Vemuri and K.V. Vasavada, Pulse propagation in coherently prepared media 379

A. Neogi, Effect of cubic nonlinearities on the sum-frequency generation process in asymmetric quantum wells 387